

PROCESS FOR EFFICIENT HYDROGEN PRODUCTION
BY THERMOCHEMICAL WATER SPLITTING USING
IODINE AND SULFUR DIOXIDE

ABSTRACT OF THE DISCLOSURE

5 In the IS process, the reaction between sulfur and
water is performed on the positive electrode side of a
cation exchange membrane and the iodine-involving reaction
is on the negative electrode side, so that the subsequent
separating operation is eliminated to reduce the amounts of
10 recycling iodine and water.